

## EAST Search History

| Ref # | Hits | Search Query   | DBs                    | Default Operator | Plurals | Time Stamp       |
|-------|------|--|------------------------|------------------|---------|------------------|
| L2    | 3567 | current same compare same threshold  | US-PGPUB; USPAT        | AND              | OFF     | 2007/08/17 17:23 |
| L3    | 1114 | current same compare same threshold same output  | US-PGPUB; USPAT        | AND              | OFF     | 2007/08/17 17:23 |
| L4    | 826  | 323/284.ccls.  | US-PGPUB; USPAT        | AND              | OFF     | 2007/08/17 17:28 |
| L5    | 6    | 3 and 4  | US-PGPUB; USPAT        | AND              | OFF     | 2007/08/17 17:28 |
| S1    | 4563 | 323/222,272,282,283,284,285, 286,287,288.ccls.   | US-PGPUB; USPAT        | AND              | OFF     | 2007/08/17 09:49 |
| S2    | 282  | converter and transient and response and synchronous and rectifier.clm.  | US-PGPUB; USPAT        | AND              | OFF     | 2007/08/17 11:55 |
| S3    | 145  | tolle.in.  | US-PGPUB; USPAT        | AND              | OFF     | 2007/08/17 10:08 |
| S4    | 3    | tolle-tobias.in.   | US-PGPUB; USPAT        | AND              | OFF     | 2007/08/17 10:19 |
| S6    | 30   | durbaum-thomas.in.   | US-PGPUB; USPAT        | AND              | OFF     | 2007/08/17 10:20 |
| S7    | 2    | power same converter same transient same response same load same switch same synchronous same rectif\$7 same capacitor | US-PGPUB; USPAT        | AND              | OFF     | 2007/08/17 11:29 |
| S8    | 2    | converter same transient same response same load same switch same synchronous same rectif\$7 same capacitor            | US-PGPUB; USPAT        | AND              | OFF     | 2007/08/17 11:29 |
| S9    | 3    | converter same transient same response same switch same synchronous same rectif\$7 same capacitor                      | US-PGPUB; USPAT        | AND              | OFF     | 2007/08/17 11:29 |
| S10   | 23   | "5940287"  | US-PGPUB; USPAT        | AND              | OFF     | 2007/08/17 17:22 |
| S11   | 24   | ("5072171"   "5138249"   "5534769"   "5636116").PN. OR ("5940287").URPN.   | US-PGPUB; USPAT; USOCR | AND              | OFF     | 2007/08/17 11:38 |
| S12   | 5    | transient same response same switch same capacitor same synchronous same rectif\$7                                     | US-PGPUB; USPAT        | AND              | OFF     | 2007/08/17 11:47 |
| S13   | 6    | synchronous adj rectifier same transient same power adj switch same rectif\$7  | US-PGPUB; USPAT        | AND              | OFF     | 2007/08/17 11:58 |

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|     |      |  |                    |     |     |                  |
|-----|------|--|--------------------|-----|-----|------------------|
| S15 | 376  | 323/272.ccls.  | US-PGPUB;<br>USPAT | AND | OFF | 2007/08/17 11:58 |
| S16 | 1794 | 323/282.ccls.  | US-PGPUB;<br>USPAT | AND | OFF | 2007/08/17 11:59 |
| S17 | 589  | 323/283.ccls.  | US-PGPUB;<br>USPAT | AND | OFF | 2007/08/17 11:59 |
| S18 | 826  | 323/284.ccls.  | US-PGPUB;<br>USPAT | AND | OFF | 2007/08/17 11:59 |
| S19 | 636  | 323/285.ccls.  | US-PGPUB;<br>USPAT | AND | OFF | 2007/08/17 11:59 |
| S20 | 115  | 323/286.ccls.  | US-PGPUB;<br>USPAT | AND | OFF | 2007/08/17 11:59 |
| S21 | 90   | 323/287.ccls.  | US-PGPUB;<br>USPAT | AND | OFF | 2007/08/17 11:59 |
| S22 | 356  | 323/288.ccls.  | US-PGPUB;<br>USPAT | AND | OFF | 2007/08/17 11:59 |
| S23 | 4563 | 323/222,272,282,283,284,285,<br>286,287,288.ccls.                              | US-PGPUB;<br>USPAT | AND | OFF | 2007/08/17 12:00 |
| S24 | 14   | transient adj response adj<br>controller                                       | US-PGPUB;<br>USPAT | AND | OFF | 2007/08/17 12:02 |
| S26 | 3    | S23 and S24  | US-PGPUB;<br>USPAT | AND | OFF | 2007/08/17 12:01 |
| S27 | 50   | transient adj response same<br>rectif\$7 same synchronous                      | US-PGPUB;<br>USPAT | AND | OFF | 2007/08/17 13:52 |
| S28 | 4563 | 323/222,272,282,283,284,285,<br>286,287,288.ccls.                              | US-PGPUB;<br>USPAT | AND | OFF | 2007/08/17 13:53 |
| S29 | 16   | S27 and S28  | US-PGPUB;<br>USPAT | AND | OFF | 2007/08/17 13:58 |
| S30 | 1    | "20020080631"  | US-PGPUB;<br>USPAT | AND | OFF | 2007/08/17 13:59 |
| S31 | 70   | kanouda.in.  | US-PGPUB;<br>USPAT | AND | OFF | 2007/08/17 14:00 |
| S32 | 17   | ("5929692").URPN.  | USPAT              | AND | OFF | 2007/08/17 14:02 |
| S33 | 57   | "5274543"  | US-PGPUB;<br>USPAT | AND | OFF | 2007/08/17 14:21 |
| S34 | 43   | synchronous same rectifier same<br>transient same respon\$6                    | US-PGPUB;<br>USPAT | AND | OFF | 2007/08/17 15:48 |
| S35 | 12   | S28 and S34  | US-PGPUB;<br>USPAT | AND | OFF | 2007/08/17 14:25 |
| S36 | 1    | ("2002/0036486").URPN.   | USPAT              | AND | OFF | 2007/08/17 14:34 |
| S37 | 5    | synchronous same rectifier same<br>transient same respon\$6 same<br>controller | US-PGPUB;<br>USPAT | AND | OFF | 2007/08/17 14:36 |

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|     |     |  |                              |     |     |                  |
|-----|-----|--|------------------------------|-----|-----|------------------|
| S38 | 14  | transient adj response adj controller  | US-PGPUB;<br>USPAT           | AND | OFF | 2007/08/17 14:53 |
| S39 | 2   | "6815937"  | US-PGPUB;<br>USPAT           | AND | OFF | 2007/08/17 14:54 |
| S40 | 3   | "6442052"  | US-PGPUB;<br>USPAT           | AND | OFF | 2007/08/17 14:56 |
| S41 | 16  | "5991168"  | US-PGPUB;<br>USPAT           | AND | OFF | 2007/08/17 14:56 |
| S42 | 49  | ("4371919"   "4716514"  <br>"4870555"   "5036452"  <br>"5128603"   "5274543"  <br>"5303138"   "5457624"  <br>"5636116").PN. OR ("5920475").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR | AND | OFF | 2007/08/17 15:14 |
| S43 | 429 | transient and response and<br>synchronous and rectifier and<br>capacitor.clm.  | US-PGPUB;<br>USPAT;<br>USOCR | AND | OFF | 2007/08/17 15:16 |
| S44 | 7   | "6320363"  | US-PGPUB;<br>USPAT           | AND | OFF | 2007/08/17 15:47 |
| S45 | 235 | synchronous same rectifier same<br>voltage same regulator  | US-PGPUB;<br>USPAT           | AND | OFF | 2007/08/17 15:52 |
| S46 | 46  | S28 and S45  | US-PGPUB;<br>USPAT           | AND | OFF | 2007/08/17 15:48 |
| S47 | 118 | synchronous same rectifier same<br>voltage near3 regulator   | US-PGPUB;<br>USPAT           | AND | OFF | 2007/08/17 15:52 |
| S48 | 21  | S28 and S47  | US-PGPUB;<br>USPAT           | AND | OFF | 2007/08/17 15:56 |
| S49 | 30  | durbaum-thomas.in.   | US-PGPUB;<br>USPAT           | AND | OFF | 2007/08/17 16:04 |
| S50 | 3   | tolle-tobias.in.   | US-PGPUB;<br>USPAT           | AND | OFF | 2007/08/17 16:06 |
| S51 | 31  | elferich-reinhold.in.  | US-PGPUB;<br>USPAT           | AND | OFF | 2007/08/17 16:10 |
| S52 | 1   | schoofs-franciscus.in.   | US-PGPUB;<br>USPAT           | AND | OFF | 2007/08/17 16:11 |
| S53 | 0   | schoofs-franciscus-a-c.in.   | US-PGPUB;<br>USPAT           | AND | OFF | 2007/08/17 16:11 |
| S54 | 174 | transient same response same<br>detect\$4 same converter   | US-PGPUB;<br>USPAT           | AND | OFF | 2007/08/17 16:15 |
| S55 | 16  | S28 and S54  | US-PGPUB;<br>USPAT           | AND | OFF | 2007/08/17 16:15 |
| S56 | 1   | transient same response same<br>detect\$4 same converter same<br>filter\$4 same rc   | US-PGPUB;<br>USPAT           | AND | OFF | 2007/08/17 16:16 |

## EAST Search History

|     |       |  |                        |     |     |                  |
|-----|-------|--|------------------------|-----|-----|------------------|
| S57 | 88    | transient and response and detect\$4 and converter and filter\$4 and rc.clm.                                       | US-PGPUB; USPAT        | AND | OFF | 2007/08/17 16:18 |
| S58 | 1     | detect\$4 same transient and response same power and converter same filter\$4 same rc. clm.                        | US-PGPUB; USPAT        | AND | OFF | 2007/08/17 16:20 |
| S59 | 23    | control\$4 same transient and response same power\$4 and switch same synchronous and rectifier same capacitor.clm. | US-PGPUB; USPAT        | AND | OFF | 2007/08/17 16:22 |
| S60 | 17    | ("5270578"   "5387820").PN. OR ("5991168").URPN.   | US-PGPUB; USPAT; USOCR | AND | OFF | 2007/08/17 16:35 |
| S61 | 1036  | 323/222.ccls.  | US-PGPUB; USPAT        | AND | OFF | 2007/08/17 16:41 |
| S62 | 115   | 323/286.ccls.  | US-PGPUB; USPAT        | AND | OFF | 2007/08/17 16:42 |
| S63 | 98025 | current same sens\$4 same output   | US-PGPUB; USPAT        | AND | OFF | 2007/08/17 16:43 |
| S64 | 51    | S62 and S63  | US-PGPUB; USPAT        | AND | OFF | 2007/08/17 16:43 |
| S65 | 23    | "5940287"  | US-PGPUB; USPAT        | AND | OFF | 2007/08/17 16:58 |